

## APPENDIX D

### LISTS OF ACRONYMS

The following high-frequency or generally well known acronyms often appear in the text of this plan without statement of their full equivalent.

AC	Advisory Circular
ATC	Air Traffic Control
ATM	Air Traffic Management
ATS	Air Traffic Services
CONOPS	Concept of Operations
DOD	Department of Defense
DOE	Department of Energy
DOT	Department of Transportation
EPA	Environmental Protection Agency
F&E	Facilities and Equipment
FAA	Federal Aviation Administrator
GAO	General Accounting Office
NAS	National Airspace
NASA	National Aeronautics and Space Administration
NTSB	National Transportation Safety Board
OMB	Office of Management and Budget
R&D	Research and Development
R,E&D	Research, Engineering and Development
REDAC	Research, Engineering and Development Advisory Committee
TRACON	Terminal Radar Approach Control

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The following acronyms will generally appear with their full equivalent stated at its first occurrence in each major section of this plan or each program description.

### A

AAAE	American Association of Airport Executives
AANC	Airworthiness Assurance Nondestructive Inspection Validation Center
ACARS	Airborne Collision Avoidance Radar System
ACAS	Airborne Collision Avoidance System
ACE	Aviation Capacity Enhancement
ACI-NA	Airports Council International – North America
ACSEP	Aircraft Certification Systems Evaluation Program
ADL	Aeronautical Data Link
ADS	Automatic Dependent Surveillance
ADS-B	Automatic Dependent Surveillance—Broadcast
AEAP	Aviation Effects on the Atmosphere Project
AED	Automatic External Defibrillator
aFAST	active Final Approach Spacing Tool
AGATE	Advanced General Aviation Transport Experiment
AGFS	Aviation Gridded Forecast System
AIA	Aerospace Industries Association
AIAA	American Institute of Aeronautics and Astronautics
AIP	Airport Improvement Program
ALEAN	Airport Law Enforcement Agency Network
ALPA	Airline Pilots Association
AMASS	Airport Movement Area Safety System
AMCP	Aeronautical Telecommunications Network Panel
AOC	Airline Operational Control
AOPA	Aircraft Owners and Pilots Association

APARMO	Asian/Pacific Approvals Registry and Monitoring Organization
APB	Acquisition Program Baseline
APEC	Asia Pacific Economic Cooperative
API	Adaptation Process Improvement
APMS	Automated Performance Measurement System
AQP	Advanced Qualification Program
ARAC	Aviation Regulatory Advisory Committee
ARTCC	Air Route Traffic Control Center
ASAC	Aviation Security Advisory Committee
ASDE	Airport Surface Detection Equipment
ASDI	Aircraft Situational Display for Industry
ASMM	Aviation Safety Risk Analysis
ASRA	NASA Aviation System Data Monitoring and Modeling
AST	Advanced Subsonic Technology
ASTI	Airport Security Technology Integration
ASTM	American Society on Testing and Materials
ATA	Air Transport Association
ATC	Air Traffic Control
ATCA	Air Traffic Control Association
ATCS	Air Traffic Control Specialist
ATIS	Automated Terminal Information Service
ATM	Air Traffic Management
ATS	Air Traffic Services
ATSOIT	Air Traffic Satellite Operational Implementation Team
ATSP	Air Traffic Service Plan
AVOSS	Advanced Vortex Spacing System
AWT	Area Work Team

**B**

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BITE	Built-In Test Equipment
<b>C</b>	
CAA	(British) Civil Aviation Administration
CAASD	Center for Advanced Aviation System Development
CAEP	Committee on Aviation Environmental Protection
CAMI	Civil Aeromedical Institute
CAPPS	Computer Assisted Passenger Pre-Screening System
CASR	Center for Aviation Systems Reliability
CAST	Certification Authorities Software Team
CBT	Computer-Based Training
CDM	Collaborative Decision Making
CDTI	Cockpit Display of Traffic Information
CERAP	Center Radar Approach Control
CFC	chloroflourocarbon
CFIT	Controlled Flight into Terrain
CIS	Cockpit Information System
CNS	Communication, Navigation, and Surveillance
COCOTS	Constructive COTS
COE	Center of Excellence
COMSTAC	Commercial Space Transportation Advisory Committee
COTS	Commercial-off-the-Shelf
CPBVE	Crew Protective Breathing and Vision Equipment
CPDLC	Controller Pilot Data Link Communications
CRC	Coordinating Research Council
CRCT	Collaborative Routing Coordination Tools
CRDA	Cooperative Research and Development Agreement
CRDA	Converging Runway Display Aid
CRM	Crew Resource Management

CST	Commercial Space Transportation
CTAS	Center TRACON Automation System
<b>D</b>	
DARWIN	Design Assessment of Reliability with Inspection
D-ATIS	Digital-Automated Terminal Information Service
DFDR	Digital Flight Data Recorder
DOE	Department of Energy
DSR	Display System Replacement
DSS	Decision Support System
<b>E</b>	
EAA	Experimental Aircraft Association
EARTS	Enroute Automated Radar Tracking System
EDA	En Route Descent Advisor
EDD	Explosives Detection Device
EDM	Expert Decision Making
EDMS	Emissions and Dispersion Modeling System
EDP	Expedite Departure Path
EDS	Explosives Detection System
EEHWG	Electromagnetic Effects Harmonization Working Group
EGNOS	European Geostationary Navigation Overlay Service
EMS	Emergency Medical Service
ETC	Engine Titanium Consortium
<b>F</b>	
FANG	FMS-ATM Next Generation
FAR	Federal Aviation Regulation
FAST	Final Approach Spacing Tool
FEM	Finite Element Model
FFP1, FFP2	Free Flight Phase 1, Free Flight Phase 2

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FICAN	Federal Interagency Committee on Aviation Noise
FIS	Flight Information Service
FL	Flight Level
FMS	Flight Management System
FOQA	Flight Operations Quality Assurance
FQT	Formal Qualification Testing
FSM	Flight Schedule Monitor
FTE	Full Time Equivalent
FTHWG	Flight Test Harmonization Working Group
FY	Fiscal Year
<b>G</b>	
GA	General Aviation
GAMA	General Aviation Manufacturers Association
GDP	Ground Delay Program
GICB	Ground Initiated Comm B
GNSS	Global Navigation Satellite System
GPRA	Government Performance and Results Act
GPS	Global Positioning System
GWS	Graphic Weather Service
<b>H</b>	
HAI	Helicopter Association International
HFACS	Human Factors Analysis and Classification System
HIC	Head Injury Criteria
HIRF	High Intensity Radiated Field
HSI	Human Systems Integration
HUMS	Health/Usage Monitoring System
<b>I</b>	
IAIPT	Interagency ATM Integrated Product Team

IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
ID	Intrusion Detection
IDACS	Intelligent Damage Adaptive Control System
IDM	Integrated Design and Manufacturing
IEEE	Institute of Electrical and Electronics Engineers
IFR	Instrument Flight Rules
IGEB	Interagency GPS Executive Board
IMT	Integrity Monitoring Test Bed
INM	Integrated Noise Model
IPHWG	Ice Protection Harmonization Working Group
IPT	Integrated Product Team
ISS	Information Systems Security
IWG	Interoperability Working Group
<b>J</b>	
JAA	Joint Aviation Authorities
JRC	Joint Resource Council
JSAT	Joint Safety Awareness Team
<b>L</b>	
LAAS	Local Area Augmentation System
LTP	LAAS Test Prototype
LVLASO	Low-Visibility Landing and Surface operations
<b>M</b>	
MANPAD	Man Portable Air Defense
MASPS	Minimum Aviation System Performance Standards
MMIR	Maintenance Malfunction Information Reporting
MOA	Memorandum of Agreement
MOPS	Minimum Operational Performance Standards

## 2001 FAA NATIONAL AVIATION RESEARCH PLAN

MOU	Memorandum of Understanding
MRM	Maintenance Resource Management
<b>N</b>	
NAPTF	National Airport Pavement Test Facility
NATCA	National Air Traffic Controllers Association
NAWCAD	Naval Air Warfare Center Aircraft Division
NCARC	National Civil Aviation Review Commission
NDI	Non-Developmental Item
NDT	Non-Destructive Testing
NEXRAD	Next Generation Weather Radar
NHTSA	National Highway Traffic Safety Administration
NICE	North Atlantic Implementation Management Group Cost Effectiveness
NIOSH	National Institute for Occupational Safety and Health
NIST	National Institute of Standards and Technology
NLA	New Large Aircraft
NOAA	National Oceanic and Atmospheric Administration
NOTAM	Notice to Airmen
NPRM	Notice of Proposed Rulemaking
NQR	
NRS	National Resource Specialist
NSTB	National Satellite Test Bed
NSTC	National Science and Technology Council
NWS	National Weather Service
<b>P</b>	
P3I	Pre-Planned Product Improvement
PBFM	Passenger Baggage Flow Model
PDC	Pre-Departure Clearance



pFAST	passive Final Approach Spacing Tool
PIP	Program Implementation Plan
PIREP	Pilot Report
PIRG	Planning and Implementation Regional Group
PPBM	Positive Passenger Baggage Matching
PPIHWG	Powerplant Installation Harmonization Working Group
<b>R</b>	
R&D	Research and Development
R,E&D	Research, Engineering and Development
RAA	Regional Aircarrier Association
RF	Radio Frequency
RGCSF	Review of the General Concept of Separation Panel
RIAT	Runway Incursion Action Team
RIRP	Runway Incursion Reduction Program
RITA	Rotorcraft Industry Technology Association
RLV	Reusable Launch Vehicle
RNP	Required Navigation Performance
RV	Reentry Vehicle
RVSM	Reduced Vertical Separation Minimum
<b>S</b>	
SAE	Society of Automotive Engineers
SAMA	Small Aircraft Manufacturers Association
SARPS	Standards and Recommended Practices
SATB	South American Test Bed
SATMS	Space and Air Traffic Management System
SATORI	Systematic Air Traffic Operations Research Initiative
SATS	Small Aircraft Transportation System
SBAS	Satellite Based Augmentation System

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SBIR	Small Business Innovative Research
SCAEP	Space Charged Aerosol Electrostatic Precipitator
SDTF	Surface Development and Testing Facility
SEIPT	Security Equipment Integrated Product Team
SERC	Software Engineering Resource Center
SFP	Surveillance Fusion Platform
SICAS	Secondary Improvements and Collision Avoidance System
SITA	Societe Internationalale De Telecommunications Aeronautiques
SLD	Supercooled large Droplet
SMA	Surface Movement Advisor
SMPC	Specialty Metals Processing Consortium
SNI	Simultaneous Non-Interfering
SOIT	Satellite Operational Implementation Team
SPAS	Safety Performance Analysis System
SPEARS	Screener Proficiency Evaluation and Reporting System
SPIE	Society for Optical Engineering
SSAC	Streamlining Software Aspects of Certification
STARS	Standard Terminal Automation Replacement System
SUA	Special Use Airspace
SUPCOM	Support Command
SVM	Service Volume Model
<b>T</b>	
TAP	Terminal Area Productivity
TATP	Triacetone Triperoxide
TC	Transport Committee
TCA	Transport Canada Aviation
TCAS	Traffic Alert and Collision Avoidance System
TDLS	Tower Data Link System

TERPS	Terminal Instrument Procedures
TFM	Traffic Flow Management
TIP	Threat Image Projection
TIS	Traffic Information Service
TIS-B	Traffic Information Service-Broadcast
TMA	Traffic Management Advisor
TMS	Traffic Management System
TOGAA	Technical Oversight Group On Aging Aircraft
TWIP	Terminal Weather Information for Pilots
U	
URET	User Request Evaluation Tool
USAF	U.S. Air Force
V	
VFR	Visual Flight Rules
VHF	Very High Frequency
VLTA	Very Large Transport Aircraft
VNTSC	Volpe National Transportation Systems Center
W	
WAAS	Wide Area Augmentation System
WATRS	West Atlantic Route System Separation Standards
WFD	Widespread Fatigue Damage
WJHTC	William J. Hughes Technical Center
WSDDM	Weather Support to Deicing Decision Making
WVSS	Water Vapor Sensing System

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